

Fig. 1

The diagram illustrates a control system with the following components and connections:

- Input:** I_1 enters block B_1 .
- Summing Junction 1:** The output of B_1 is added to a feedback signal from block B_2 at a summing junction (indicated by a $+$ and a $-$ sign).
- Block S:** The output of the first summing junction passes through block S .
- Block G2:** The output of block S passes through block G_2 .
- Summing Junction 2:** The output of G_2 is added to the output of block F at a second summing junction (indicated by a $+$ sign).
- Block G1:** The output of the second summing junction passes through block G_1 .
- Block KS:** The output of G_1 passes through block KS .
- Output:** The output of block KS is I_2 .
- Feedback Path:** The output I_2 is fed back through block B_2 to the first summing junction.
- Feedforward Path:** The output of the second summing junction is also fed into a dashed box containing several blocks:
 - Block TC feeds into block F .
 - Block F feeds into the second summing junction.
 - Block LC feeds into a block within the dashed box.
 - Block SC feeds into a block within the dashed box.
 - Block SB feeds into a block within the dashed box.
 - Block EC feeds into a block within the dashed box.
 - Block E feeds into block KS .

Fig. 2b

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graph LR; I1((I1)) --> B1[B1]; B1 --> Sum((+)); FB --> Sum; Sum --> SR[SR]; SR --> G2[G2]; G2 --> G1[G1]; G1 --> I2((I2)); I2 --> B2[B2]; B2 --> Sum;
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